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decrypt device revoke content "group key"

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Revocation and Tracing Schemes for Stateless Receivers - ► [hpi-web.de](#) [PDF]
D Naor, M Naor, J Lotspiech - LECTURE NOTES IN COMPUTER SCIENCE, 2001 - Springer
... total number of users), and in order to revoke r users ... only a predefined subset is
able to decrypt the data ... for the case where the receiver is a device that is ...
Cited by 335 - Related articles - Web Search - BL Direct - All 22 versions

Protecting Cryptographic Keys: The Trace-and-Revoke Approach - ► [weizmann.ac.il](#) [PS]
D Naor, M Naor - COMPUTER, 2003 - doi.ieeecomputersociety.org
... needed to perform tracing when the device contains the keys ... or should not be able
to decrypt previously transmitted ... should be imposed, who should revoke a user ...
Cited by 14 - Related articles - Web Search - BL Direct - All 6 versions

A Group Key Distribution Scheme with Decentralised User Join
H Kurnio, R Safavi-Naini, H Wang - LECTURE NOTES IN COMPUTER SCIENCE, 2003 - Springer
... allows the authorised users to compute a common group key ... by including them in the
set of revoked users in ... For example suppose a content distributor wishes to ...
Cited by 12 - Related articles - Web Search - BL Direct - All 4 versions

A DRM security architecture for home networks - ► [yu.nj](#) [PDF]
BC Popescu, B Crispo, AS Tanenbaum, FLAJ Kamperman - Proceedings of the 4th ACM workshop on Digital
rights ..., 2004 - portal.acm.org
... by the content owners for that piece of content. ... number of devices can be revoked
without requiring ... checking mechanism based on individual device authentication ...
Cited by 35 - Related articles - Web Search - All 7 versions

Digital rights management in consumer electronics products
W Jonker, JP Linnartz - Signal Processing Magazine, IEEE, 2004 - ieeexplore.ieee.org
... Compromised devices can be excluded (ie, revoked) by distributing a ... Each device in
the home network is equipped ... that contains the key to decrypt the encrypted ...
Cited by 30 - Related articles - Web Search - BL Direct - All 3 versions

Digital rights management in a 3G mobile phone and beyond - ► [sinica.edu.tw](#) [PDF]
TS Messerges, EA Dabbish - Proceedings of the 3rd ACM workshop on Digital rights ..., 2003 - portal.acm.org
... Decrypt content (2 Kbyte) ... For example, when a device is configured to work with a
particular ... Also, when a certificate is revoked or updated, an old certificate ...
Cited by 24 - Related articles - Web Search - All 6 versions

Method and system for authorizing client devices to receive secured data streams
R Langer - US Patent App. 10/949,963, 2004 - Google Patents
... The client device can then decrypt the session keys using ... a much more proactive ability
to revoke a particular ... send the content to the client device, it first ...
Web Search

Generation of a common encryption key
F Grumiaux - US Patent App. 10/149,786, 2002 - Google Patents
... decrypt ciphertext, like encrypted digital content, with the ... information as a key
to decrypt the element ... column corresponding to the other device, each device ...

Web Search - All 6 versions

Content distributing system and data-communication controlling device

Y Futa, M Ohmori, H Kitatora, N Matsuzaki, M ... - US Patent App. 10/457,480, 2003 - Google Patents
... DEVICE ID IDA !1 IDB IDC FIG.8B HIGH-VALUE CONTENT ADDITIONAL INFORMATION ... ASSIGN
NETWORK ADDRESS | REVOKE DEVICE ID AND CERTIFICATE S106< v WRITE INTO ADDRESS ...

Web Search

Efficient State Updates for Key Management - ►pinkas.net [PDF]

B Pinkas - Proceedings of the IEEE, 2004 - ieeexplore.ieee.org

... The keys known to should be revoked in a way which ... If the user also needs to decrypt content that was sent ... music from one device to the other), and when they ...

Cited by 24 - Related articles - Web Search - BL Direct - All 14 versions

Software conditional access system

A Main, HJ Johnson - US Patent App. 10/895,948, 2004 - Google Patents

... the content streams as their session keys cannot decrypt the newly ... Those users who do not uplink will be revoked when their ... to the user via the output device 90 ...

Web Search

Subset difference method for multi-cast rekeying

A Medvinsky - US Patent App. 10/318,486, 2002 - Google Patents

... or a client or client application or device that is ... keys which they can then use to decrypt the next ... Since previously revoked users do not have the current ...

Web Search

A Flexibly Revocable Key-Distribution Scheme for Efficient Black-Box Tracing

T Matsushita - LECTURE NOTES IN COMPUTER SCIENCE, 2002 - Springer

... key) which is contained in a decryption device (decoder), and ... schemes, the data supplier can revoke a certain ... are suitable for the content-distribution system ...

Cited by 7 - Related articles - Web Search - BL Direct - All 4 versions

Support for multi-level security policies in DRM architectures

BC Popescu, B Crispo, AS Tanenbaum - Proceedings of the 2004 workshop on New security paradigms, 2004 - portal.acm.org

... material (compromised keys can be easily revoked), without requiring ... members will have the keys to decrypt it ... scheme works quite well when devices selected to ...

Cited by 8 - Related articles - Web Search - All 4 versions

A Revocation Scheme with Minimal Storage at Receivers

T Asano - LECTURE NOTES IN COMPUTER SCIENCE, 2002 - Springer

... session key is required for decryption or encryption of ... contract this receiver will be revoked, and as ... receivers (eg consumer electronics devices), the easiest ...

Cited by 42 - Related articles - Web Search - BL Direct - All 5 versions

[PDF] ► Willem Jonker and Jean-Paul Linnartz

DRM Web-based - IEEE SIGNAL PROCESSING MAGAZINE, 2004 - doc.utwente.nl

... Compromised devices can be excluded (ie, revoked) by distributing a ... Each device in the home network is equipped ... that contains the key to decrypt the encrypted ...

Related articles - View as HTML - Web Search - All 3 versions

Multimedia rights management for the multiple devices of end-user

KA Chang, BR Lee - Distributed Computing Systems Workshops, 2003. Proceedings ..., 2003 - ieeexplore.ieee.org

... must store a number of keys that is logarithmic in t and the amount of work required

by the revoked user r ... i of certificate to device d i Contents Decryption ...
Cited by 5 - Related articles - Web Search - All 3 versions

Scalable cryptographic key management in wireless sensor networks

A Wadaa, S Olariu, L Wilson, M Eltoweissy - Proc. of the 24th Intl. Conf. on Distributed Computing ..., 2004 - doi.ieeecomputersociety.org

... a combinatorial formulation of the group key management problem ... x possess, need only receive and decrypt all messages ... capabilities, (2) the radio device in the ...

Cited by 19 - Related articles - Web Search - All 5 versions

Authentication system and method

B Pinkas - US Patent App. 10/965,197, 2004 - Google Patents

... disregard subsets associated with the revoked data processing ... as a video controller, storage device controller, network ... use the key 110 to decrypt the message ...

Web Search

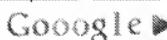
Group admission system and server and client therefor

N Matsuzaki, T Nakano, Y Futa - US Patent App. 10/751,964, 2004 - Google Patents

... READ ID h-549 ID 02 T READ REGISTERED DEVICE LIST S50 ... S64 READ ENCRYPTED CONTENT -S65 ENCRYPTED CONTENT KEY S, ENCRYPTED CONTENT S66 S67 DECRYPT S USING ...

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Key authors: D Naor - M Naor - J Lotspiech - B Popescu - T Asano



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